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(54) Title: A COMPOSITION COMPRISING THE EXTRACT OF CUCURBITACEAE FAMILY PLANT OR THE PURIFIED
EXTRACT ISOLATED THEREFROM HAVING ANTI-ADIPOGENIC AND ANTI-OBESITY ACTIVITY

(57) Abstract: The present invention is related to an extract of Cucurbitaceae family plant or the purified extract isolated therefrom
having anti-adipogenic and anti-obesity activity, and a composition comprising the same. The extract of Cucurbitaceae family plant
of the present invention showed potent reducing activity of body weight, decreasing effect on the blood triglyceride and cholesterol
level, activating activity of PPAR alpha and delta, reducing activity of the gene expression of stearyl-CoA desaturase, and pre-
venting activity from the adipogenesis of precursor fat cells with no toxicity, therefore, those extract can be useful in treating or
preventing obesity and adipogenesis-involved diseases as a medicine or health care food.

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